

FFSMC Multi-contact float switch

Submerged type float switch for sewer and industrial waste systems.

This self-weighted cable end float switch is designed for use in turbulent industrial fluids and fluids with suspended agglomerates, such as sewer water.

The switch is water resistant up to a depth of 100m, and is insensitive to humidity and condensation, due to the particular design of the switch element. This makes it suitable for applications where there may be wide or rapid fluctuations in ambient or fluid temperatures. Switching capacity of this new design of self-cleaning switch element is 10A at 250V ac.

The outer casing is manufactured in blow moulded Polyethylene (PEHD) and the switch element is surrounded by non-hygroscopic closed cell expanded polyurethane, hermetically sealing the unit.

The switch is fitted with an internal weight such that it fixes the centre of gravity, and rotation, close to the cable entry. An external counterweight is supplied to adjust the pivot position.

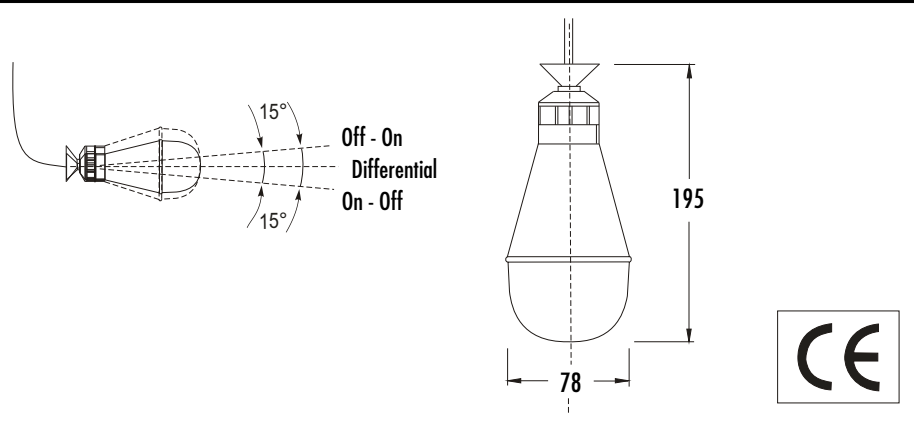
The moulding shape is rounded to prevent the accumulation of solids, that could cause the float to sink.

Technical Specifications

Farnell stock number		424-9409	424-9410	424-9422
Crydom part		FFSMC10A	FFSMC10B	FFSMC10C
Contact Form		N/O	N/C	C/O
Switching Current Max. Resistive		10 A		
Switching Current Max. Inductive	AC	4A		
	DC	1A		
Power Rating	AC VA	750		
	DC W	180		
Switching Voltage	AC V	250		
	DC V	110		
Cable Material		PVC		
Cable length		Standard length 5 metres		
Body Material		High Density Polyethylene		
Temperature Range	°C	0 / +55		
	°F	+ 32 / +131		
Max. working pressure	bar	10		

It is necessary to use an auxiliary relay, when switching pump motors or any loads that are not purely resistive.

MECHANICAL



Every effort has been made to ensure that the descriptions and specifications quoted are correct, however, no liability can be accepted for any errors or omissions in this data. The detail specifications are subject to change without prior notice.

FFSMC2002Farnell

CRYDOM

Control over power



- Operates in Turbulent Fluids
- Unaffected by Suspended Solids
- Cable Mounting
- 100m Depth Capability

Crydom Magnetics Ltd
7 Cobham Road
Ferndown Industrial Estate
Wimborne
Dorset BH21 7PE
Tel: +44 (0) 1202 897969
Fax: +44 (0) 1202 891918
magnetics@crydom.com
www.crydom.co.uk

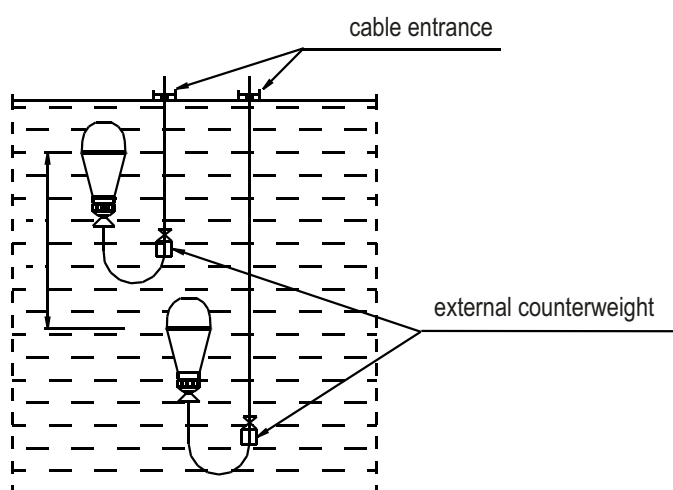
FFSMC Multi-contact float switch

CRYDOM
Control over power

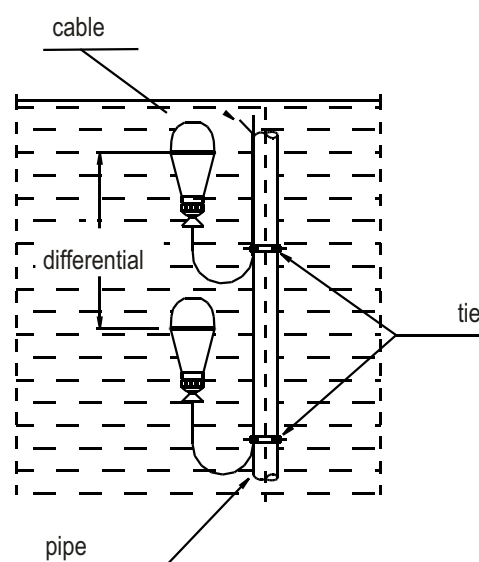
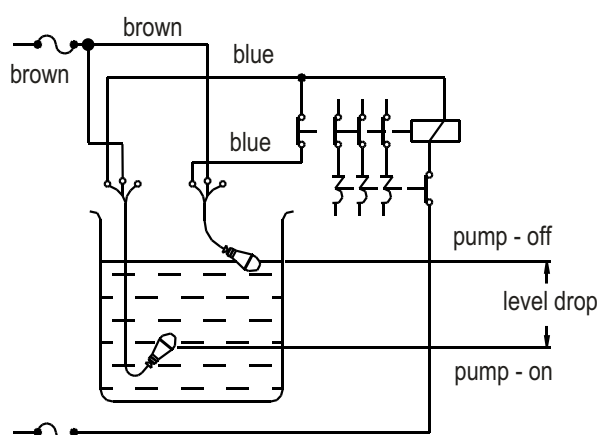
Part Numbering System

Series	FFSMC	10	A	U	10	Cable length in metres: Blank = 5M standard
Max. current						Cable covering: Blank = PVC U = Polyurethane N = Neoprene S = Silicone
Contact Form						
	A = n/o					
	B = n/c					
	C = c/o					

Installation



wiring diagram for filling pump



wiring diagram for emptying pump

